## CLAIMS

## What is claimed is:

1	1	Δ	nellicle	device	comprising:
l	1.	Α	pernote	device	comprising.

- 2 a base to align with a photomask;
- a pellicle to slide relative to the base between a first position overlying the
- 4 photomask and a second position not overlying the photomask; and
- 5 a transport element to move the pellicle.
- 1 2. The pellicle device of claim 1, wherein the pellicle comprises at least one shutter
- 2 to open and close.
- 1 3. The pellicle device of claim 1, wherein the pellicle comprises a securing
- 2 mechanism to maintain the pellicle overlying the base when the pellicle is in the first
- 3 position.
- 1 4. The pellicle device of claim 3, wherein the securing mechanism uses at least one
- 2 magnetic field.
- 1 5. The pellicle device of claim 4, wherein the securing mechanism comprises an
- 2 electromagnet to produce the at least one magnetic field.
- 1 6. The pellicle device of claim 4, wherein the securing mechanism further comprises
- 2 an outrigger element within the at least one magnetic field.

- 2 a base to align with a photomask;
- a retractable pellicle to move pivotlessly relative to the base between a first
- 4 position overlying the photomask and a second position away from the photomask; and
- 5 a transport element to move the pellicle.
- 1 8. The pellicle device of claim 7, wherein the transport element comprises at least
- 2 one arm member coupled to the pellicle.
- 1 9. The pellicle device of claim 7, wherein the pellicle does not contact the base in
- 2 the second position.
- 1 10. The pellicle device of claim 7, wherein the pellicle moves along an axis with
- 2 respect to the base.
- 1 11. The pellicle device of claim 7, wherein the pellicle comprises at least one shutter
- 2 to open and close.
- 1 12. The pellicle device of claim 7, wherein the pellicle comprises a securing
- 2 mechanism to maintain the pellicle overlying the base when the pellicle is in the first
- 3 position.
- 1 13. The pellicle device of claim 7, wherein the pellicle is opaque to photolithographic
- 2 radiation.
- 1 14. The pellicle device of claim 7, wherein a portion of the pellicle is transparent to
- 2 inspection radiation.

- a base to align with a photomask;
- a pellicle to move about a vertical axis relative to the base between a first position
- 4 overlying the photomask and a second position not overlying the photomask; and
- 5 a transport element to move the pellicle.
- 1 16. The pellicle device of claim 15, wherein the pellicle comprises a securing
- 2 mechanism to maintain the pellicle overlying the base when the pellicle is in the first
- 3 position.
- 1 17. The pellicle device of claim 16, wherein the securing mechanism uses at least one
- 2 magnetic field.
- 1 18. A pellicle device comprising:
- a base to align with a photomask;
- a pellicle diaphragm, coupled to the base, having a closed position to cover the
- 4 photomask and having an open position to uncover the photomask.
- 1 19. The pellicle device of claim 18, wherein the pellicle device further comprises a
- 2 transport element coupled to the pellicle diaphragm to open and close the pellicle
- 3 diaphragm.
- 1 20. The pellicle device of claim 18, wherein the base and the pellicle diaphragm form
- 2 a protective enclosure around the photomask.

- 1 21. A pellicle device comprising:
- a base to align with a photomask;
- a pellicle comprising two or more shutters to move relative to the base between a
- 4 first position overlying the photomask and a second position not overlying the
- 5 photomask; and
- 6 a transport element to move the pellicle.
- 1 22. The pellicle device recited in claim 21, wherein the wavelength of the
- 2 photolithographic radiation is within the range of 2 to 200 nanometers.
- 1 23. The pellicle recited in claim 21, wherein the photolithographic radiation is from
- 2 the group consisting of ultraviolet, deep ultraviolet, extreme ultraviolet, X-ray, electron
- 3 beam, and ion beam.
- 1 24. A method comprising:
- 2 covering a photomask with a retractable pellicle; and
- pivotlessly retracting the pellicle away from the photomask to uncover the
- 4 photomask.
- 1 25. The method recited in claim 24, wherein the pellicle is retracted along one axis.
- 1 26. The method recited in claim 24, wherein the pellicle is retracted to irradiate the
- 2 photomask with photolithographic radiation.
- 1 27. The method recited in claim 26 and further comprising:
- 2 replacing the pellicle when not irradiating the photomask with photolithographic
- 3 radiation.

- 3 retracting and replacing the pellicle using the transport element.
- 1 29. The method recited in claim 24, wherein the wavelength of the photolithographic
- 2 radiation is within the range of 2 to 200 nanometers.
- 1 30. The method recited in claim 24, wherein the photolithographic radiation is from
- 2 the group consisting of ultraviolet, deep ultraviolet, extreme ultraviolet, X-ray, electron
- 3 beam, and ion beam.
- 1 31. A method comprising:
- 2 covering a photomask with a pellicle that is pivotable about a vertical axis; and
- pivoting the pellicle away from the photomask to uncover the photomask.
- 1 32. The method recited in claim 31, wherein the photomask is uncovered to irradiate
- 2 the photomask with photolithographic radiation.
- 1 33. The method recited in claim 31 and further comprising:
- 2 replacing the pellicle when not irradiating the photomask with photolithographic
- 3 radiation.
- 1 34. The method recited in claim 31, wherein the pellicle is coupled to a transport
- 2 element, the method further comprising:
- pivoting and replacing the pellicle using the transport element.
- 1 35. A method comprising:
- 2 covering a photomask with a pellicle comprising two or more shutters; and
- opening the shutters to uncover the photomask.

- 2 the photomask with photolithographic radiation.
- 1 37. The method recited in claim 35 and further comprising:
- 2 closing the shutters when not irradiating the photomask with photolithographic
- 3 radiation.
- 1 38. The method recited in claim 35, wherein the shutters are coupled to a transport
- 2 element, the method further comprising:
- 3 opening and closing the shutters using the transport element.
- 1 39. A method comprising:
- 2 covering a photomask with a pellicle comprising a diaphragm; and
- 3 opening the diaphragm to uncover the photomask.
- 1 40. The method recited in claim 39, wherein the photomask is uncovered to irradiate
- 2 the photomask with photolithographic radiation.
- 1 41. The method recited in claim 39 and further comprising:
- 2 closing the diaphragm when not irradiating the photomask with photolithographic
- 3 radiation.
- 1 42. The method recited in claim 39, wherein the diaphragm is coupled to a transport
- 2 element, the method further comprising:
- 3 opening and closing the diaphragm with the transport element.